

The demand must be filed directly with the competent International Preliminary Examining Authority or, if two or more Authorities are competent, with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line below:


IPEA/ JP

# PCT

## CHAPTER II

### DEMAND

under Article 31 of the Patent Cooperation Treaty:  
The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty and hereby elects all eligible States (except where otherwise indicated).

For International Preliminary Examining Authority use only		
Identification of IPEA	Date of receipt of DEMAND	
<b>Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION</b>		Applicant's or agent's file reference CFO17020WO
International application No. PCT/JP03/01568	International filing date (day/month/year) 14.02.03	(Earliest) Priority date (day/month/year) 18.02.02
Title of invention IMAGE PROCESSING APPARATUS, INFORMATION PROCESSING APPARATUS, AND INFORMATION OUTPUT METHOD		
<b>Box No. II APPLICANT(S)</b>		
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 Japan		Telephone No. 03-3758-2111
		Facsimile No. 03-3756-0947
		Teleprinter No.
		Applicant's registration No. with the Office
State (that is, country) of nationality: Japan		State (that is, country) of residence: Japan
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) MIYAMOTO, Ryosuke c/o CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 Japan		
State (that is, country) of nationality: Japan		State (that is, country) of residence: Japan
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)		
State (that is, country) of nationality:		State (that is, country) of residence:
<input type="checkbox"/> Further applicants are indicated on a continuation sheet.		

**Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE**The following person is ☒ agent ☐ common representativeand ☒ has been appointed earlier and represents the applicant(s) also for international preliminary examination.☐ is hereby appointed and any earlier appointment of (an) agent(s)/common representative is hereby revoked.☐ is hereby appointed, specifically for the procedure before the International Preliminary Examining Authority, in addition to the agent(s)/common representative appointed earlier.Name and address: *(Family name followed by given name; for a legal entity, full official designation.  
The address must include postal code and name of country.)*Patent Attorney OCHI, Takao  
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☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.**Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION****Statement concerning amendments:\***

1. The applicant wishes the international preliminary examination to start on the basis of:

☐ the international application as originally filedthe description ☒ as originally filed☐ as amended under Article 34the claims ☐ as originally filed☒ as amended under Article 19 (together with any accompanying statement)☐ as amended under Article 34the drawings ☒ as originally filed☐ as amended under Article 342. ☐ The applicant wishes any amendment to the claims under Article 19 to be considered as reversed.3. ☐ The applicant wishes the start of the international preliminary examination to be postponed until the expiration of 20 months from the priority date unless the International Preliminary Examining Authority receives a copy of any amendments made under Article 19 or a notice from the applicant that he does not wish to make such amendments (Rule 69.1(d)). *(This check-box may be marked only where the time limit under Article 19 has not yet expired.)*

\* Where no check-box is marked, international preliminary examination will start on the basis of the international application as originally filed or, where a copy of amendments to the claims under Article 19 and/or amendments of the international application under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion or the international preliminary examination report, as so amended.

Language for the purposes of international preliminary examination: English

☒ which is the language in which the international application was filed.☐ which is the language of a translation furnished for the purposes of international search.☐ which is the language of publication of the international application.☐ which is the language of the translation (to be) furnished for the purposes of international preliminary examination.**Box No. V ELECTION OF STATES**The applicant hereby elects all eligible States *(that is, all States which have been designated and which are bound by Chapter II of the PCT)*

excluding the following States which the applicant wishes not to elect:

**Box No. VI CHECK LIST**

The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination:

- |  |   |       |        |
|--|---|-------|--------|
| 1. translation of international application                              | : | _____ | sheets |
| 2. amendments under Article 34   | : | _____ | sheets |
| 3. copy (or, where required, translation) of amendments under Article 19 | : | 9     | sheets |
| 4. copy (or, where required, translation) of statement under Article 19  | : | _____ | sheets |
| 5. letter  | : | 2     | sheets |
| 6. other ( <i>specify</i> )  | : | _____ | sheets |

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received	not received
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The demand is also accompanied by the item(s) marked below:

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> fee calculation sheet                                | 5. <input type="checkbox"/> statement explaining lack of signature   |
| 2. <input type="checkbox"/> original separate power of attorney                             | 6. <input type="checkbox"/> sequence listing in computer readable form   |
| 3. <input type="checkbox"/> original general power of attorney                              | 7. <input checked="" type="checkbox"/> other ( <i>specify</i> ): Revenue stamps,<br>Receipt of fees paid to<br>deposit account of WIPO |
| 4. <input type="checkbox"/> copy of general power of attorney;<br>reference number, if any: |  |

**Box No. VII SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE**

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand).

OCHI, Takao



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1. Date of actual receipt of DEMAND:

2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):

3. ☐ The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply.

☐ The applicant has been informed accordingly.

4. ☐ The date of receipt of the demand is WITHIN the period of 19 months from the priority date as extended by virtue of Rule 80.5.

5. ☐ Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rule 82.

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Demand received from IPEA on:

Date: July 17, 2003

World Intellectual Property Organization  
PCT Division  
34 Chemin des Colombettes  
1211 Geneva 20  
Switzerland

**Amendment of the claims under Article 19(1) (Rule 46)**

International Application No. : PCT/JP03/01568

International Filing Date : 14.02.03

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Applicant's or Agent's File Reference : CF017020WO

Dear Sir

The Applicant, who received the International Search Report relating to the above identified International Application transmitted on May 20, 2003, hereby files amendment under Article 19(1) as in the attached sheets.

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International Appln. No. PCT/JP03/01568

The Applicant hereby amends claims 9, 10, 13, 16 and 18,  
and retains claims 1 to 8, 11, 12, 14, 15 and 17 unchanged.

Very truly yours,

O K A B E

International Patent Office

Takao Ochi

Attachment:

(1) Amendment under Article 19(1)

1 sheet

## CLAIMS

1. (Unchanged) An image processing apparatus  
having a plurality of operation modes including a  
5 first mode for outputting image data read by image  
reading means and a second mode for outputting print  
data received from the outside, the image processing  
apparatus comprising:

memory means for storing a power consumption  
10 standard for said each operation mode and operation  
time data for said each operation mode;

preparation means for preparing statistic  
information concerning power consumption of said  
image processing apparatus based on the power  
15 consumption standard and the operation time data for  
said each operation mode; and

output means for performing an output based on  
the prepared statistic information concerning power  
consumption.

20

2. (Unchanged) The image processing apparatus  
according to claim 1, further comprising timing means  
for timing operation time data of the respective  
operation modes individually,

25

wherein said preparation means prepares  
statistic information based on a value timed by said  
timing means and the power consumption standard for

each operation mode.

3. (Unchanged) The image processing apparatus according to claim 2, further comprising management  
5 means for managing user identification information by associating the user identification information with timing value by said timing means,

wherein said preparation means prepares statistic information based on the timed value, the  
10 power consumption standard for each operation mode, and the user identification information.

4. (Unchanged) The image processing apparatus according to claim 1,  
15 wherein said timing means times operation time data from a start to an end of a predetermined operation mode as an intermittent operation time corresponding to job execution scheduling according to other operation modes.

20

5. (Unchanged) The image processing apparatus according to claim 1,

wherein said output means sends the statistic information to a terminal apparatus external to said  
25 image processing apparatus as a markup language.

6. (Unchanged) The image processing apparatus

according to claim 1,

wherein the first mode is a copy mode and the second mode is a printer mode.

5           7. (Unchanged) The image processing apparatus according to claim 1,

          wherein said output means outputs the prepared statistic information concerning power consumption to a display unit during designated processing for  
10       designating the operation mode or during execution of the operation mode.

          8. (Unchanged) The image processing apparatus according to claim 1 further comprising:

15           specifying means for specifying a user or a using department which uses said image processing apparatus; and

          timing means for timing an operation time of said image processing apparatus by associating the  
20       operation time with the specified user or using department;

          wherein said memory means stores the timed operation time as the operation time data, and said preparation means prepares the statistic information  
25       for each user or using department.

          9. (Amended) The image processing apparatus



according to claim 1, further comprising an information processing apparatus capable of communicating with said image processing apparatus.

5           10. (Amended) An image processing apparatus capable of communicating with an information processing apparatus, having a plurality of operation modes including a first mode for outputting image data read by image reading means and a second mode  
10   for outputting print data received from the outside, said image processing apparatus comprising:

          calculation means for calculating power consumption of said image processing apparatus for each of the operation modes; and

15           output means for outputting information on the power consumption calculated by said calculation means to the information processing apparatus,

          wherein the information processing apparatus generates statistic information based on the  
20   information output by said output means.

          11. (Unchanged) An image processing apparatus having a plurality of operation modes, comprising:

          timing means for timing operation time data  
25   from a start to an end of a predetermined operation mode as an intermittent operation time corresponding to job execution scheduling according to other

operation modes; and

preparation means for preparing information concerning power consumption of the predetermined operation mode based on a value timed by the timing means.

12. (Unchanged) An information output method for outputting information concerning power consumption in an image processing apparatus having a plurality of operation modes including a first mode for outputting image data read by image reading means and a second mode for outputting print data received from the outside, the information output method comprising the steps of:

15       reading out power consumption data for said each operation mode and operation time data for said each operation mode;

preparing statistic information concerning power consumption of said image processing apparatus based on the read out power consumption data for each operation mode and the read out operation time data for each operation mode; and

performing an output based on the prepared statistic information concerning power consumption.

25

13. (Amended) An information output method by an image processing apparatus capable of

communicating with an information processing apparatus, having a plurality of operation modes including a first mode for outputting image data read by image reading means and a second mode for

5 outputting print data received from the outside, said method comprising the steps of:

calculating power consumption of the image processing apparatus for each of the operation modes; and

10 outputting information on the power consumption calculated in said calculating step to the information processing apparatus,

wherein the information processing apparatus generates statistic information based on the

15 information output in said outputting step.

14. (Unchanged) An information output method by an image processing apparatus having a plurality of operation modes, comprising the steps of:

20 timing operation time data from a start to an end of a predetermined operation mode as an intermittent operation time corresponding to job execution scheduling according to other operation modes; and

25 preparing information concerning power consumption of the predetermined operation mode based on a value timed by said timing step.

15. (Unchanged) A program which is executed by an information processing apparatus for outputting information concerning power consumption in an image processing apparatus having a plurality of operation  
5 modes including a first mode for outputting image data read by image reading means and a second mode for outputting print data received from the outside, the program comprising the steps of:

reading out power consumption data for each  
10 operation mode and operation time data for each operation mode;

preparing statistic information concerning power consumption of said image processing apparatus based on the read out power consumption data for said  
15 each operation mode and the read out operation time data for said each operation mode; and

performing an output based on the prepared statistic information concerning power consumption.

20 16. (Amended) A program which is executed by an image processing apparatus capable of communicating with an information processing apparatus, having a plurality of operation modes including a first mode for outputting image data read by image reading means  
25 and a second mode for outputting print data received from the outside, said program comprising the steps of:

calculating power consumption of the image  
processing apparatus for each of the operation modes;  
and

outputting information on the power consumption  
5 calculated in said calculating step to the  
information processing apparatus,

wherein the information processing apparatus  
generates statistic information based on the  
information output in said outputting step.

10

17. (Unchanged) A computer readable storage  
medium having stored therein a program which is  
executed by an information processing apparatus for  
outputting information concerning power consumption  
15 in an image processing apparatus having a plurality  
of operation modes including a first mode for  
outputting image data read by image reading means and  
a second mode for outputting print data received from  
the outside, the a program comprising the steps of:

20 reading out power consumption data for said  
each operation mode and operation time data for said  
each operation mode;

preparing statistic information concerning  
power consumption of said image processing apparatus  
25 based on the read out power consumption data for each  
operation mode and the read out operation time data  
for each operation mode; and

performing an output based on the prepared statistic information concerning power consumption.

18. (Amended) A computer readable storage  
5 medium having stored therein a program which is  
executed by an image processing apparatus capable of  
communicating with an information processing  
apparatus, having a plurality of operation modes  
including a first mode for outputting image data read  
10 by image reading means and a second mode for  
outputting print data received from the outside, the  
program comprising the steps of:

calculating power consumption of the image  
processing apparatus for each of the operation modes;  
15 and

outputting information on the power consumption  
calculated in said calculating step to the  
information processing apparatus,

wherein the information processing apparatus  
20 generates statistic information based on the  
information output in said outputting step.